

CA 02538254 2001 01 19

WORLD INTELLECTIVAL PROPERTY ORGANIZATION Informational Univent



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCI)

(61) Interontional Patent Classification 6:		(I	1) International Publication Number:	WO 00/05771:
H011, 41/047, 41/083, 41/113	. 41	(4	3) International Publication Duke:	3 February 2000 (03.02.00)
(31) International Application Number: PC		112	(81) Designated States: AE, AU, AM.	AT, AT (Utility model), AO;

331096

331667

391698

(22) International Viling Date:

(30) Priority Data:

23 July 1999 (23.07.99)

24 July 1998 (24,07,98) 2 September 1998 (02.09.98) 2 September 1998 (02.09.98) NZ. NZ.

(71) Applicant (for all designated States except (18): MED-DBV LIMITED [NZINZ]; 44 Buckley Road, Melrose, Wellington

(72) Livertor; and

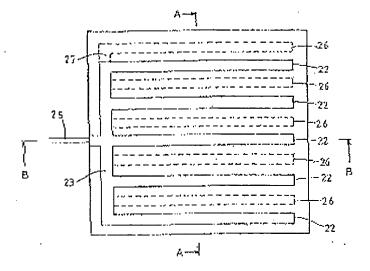
(15) fureator/Applicant (for US only): L)TTEK, Anim [CA/N7]; Kilbirnia, P.O. Box 14 435, Wellington (N7).

(74) Agams: HAWKINS, Michael, Howard et al.; Baldwin Shelston Water, NCR Building, 342 Lambton Quay, Wellington signated States: AE, AU, AM, AT, AT (Utility model), AO; AZ, BA, RP, BG, BR, BY, CA, CH, CN, CII, CZ, CZ, (Hillity model), DE, DE (Utility model), DK, DK (Utility model), IG, IB, Chillity model), ES, PI, FI (Utility model), IG, IB, IB, IM, IB, IB, IH, IB, IB, IF, IB, IB, IM, IB, IB, IL, IR, IS, IP, KI, KG, KP, KI, KZ, LC, LK, IR, IS, IT, (JI, LV, MD, MG; MK, MN, MW, MX, NO, MZ, PL, PT, RO, RI, SID, SIL, SG, SI, SK, SK (IRRITY model), SL, IT, TM, TE, TT, UA; LX, IIS, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM; KE, LS, MW, SD, SE, SZ, UG, ZW), Europian patent (AT, IP, CH, CY, DE, DK, ES, FI, FR, GB, UR, IE, IT, LD, MC, NI, PT, STB, OAPP patent (JP, BI, CP, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, T3). CA, GN, GW, ML, MR, ND, SN, TD, TG).

Published

With International more is report. Refere the expiration of the time limit for amending the claims and to be republished to the event of the rewipt of omendments.

(54) TIME OFFSET ARRANGEMENT OF ELECTRODES ON A PIEZOELECTRIC TRANSPURIER



(SI) Abstract

A transducer comprises a plezcelectric member (29) which deforms in use or provide an electrical curput, and first and record electricies (22, 26) arranged on opposest sides of the piezoelectric mendion to pick up the electrical output. The electricies (22, 26) are office so in to provide one or more regions in which the electrodes (22, 26) do not overlap. One or both electrodes (22, 26) may be discontinuous and may comprise a plurality of fingers. The pierrelactric member (29) may be in the form of a sheet.